

Strebenprofil 40x40L 1N, ESD-geeignet, Aluminium eloxiert - Bosch Rexroth 3842993719

Item no. BRR-3842993719 **Manufacturer** Bosch Rexroth

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The 40x40L 1N strut profile is an anodized aluminum section with one open slot (slot size 10, modular dimension 40 mm) for building ESD-compliant assembly and workstation structures. The symmetric 40x40 mm cross-section delivers high rigidity - area moments of inertia of 9.8 cm⁴ (x) and 10.3 cm⁴ (y) - at a linear mass of just 1.7 kg/m. Available in cut lengths from 50 mm to 6070 mm, with standard and customized profile finishing (M12, D9.8, DI, MT and others) supplied ready to install.

TECHNICAL DATA

Article authenticity	Original product
Condition of article	New
Country of Manufacture	Germany
ESD-Ausführung	TEC
Hinweis	Gemäß der aktuellen Preisstruktur werden für Bestellungen von Profilen mit einer Länge von 1500 mm zusätzliche Kosten in Höhe von 80,00 Euro berechnet.
Weight	0.1 kg
Zolltarifnummer	76042100



STANDARDS & COMPLIANCE

ESD safe

DESCRIPTION

The Bosch Rexroth strut profile 40x40L 1N is an anodized aluminum section for assembly lines, workstation systems, and frame structures in ESD-sensitive production environments. Its 40 mm modular dimension integrates directly into the Bosch Rexroth profile system.

- ESD-suitable - safe for use where electrostatic discharge must be controlled
- Anodized aluminum (color: natural) - corrosion-resistant and low maintenance
- One open slot (slot size 10) - single-side access for connectors and attachments
- High rigidity - area moments of inertia $I_x = 9.8 \text{ cm}^4$, $I_y = 10.3 \text{ cm}^4$ at only 1.7 kg/m
- Flexible cut lengths from 50 mm to 6070 mm, including standard and customized finishing
- Standard profile finishing M12 / D9.8 / D17 / DB17 available from minimum length

Technical data

Property	Value
Cross-section	40x40L 1N
Dimensions	40x40 mm
Profile type	1N
Profile slot	10
Open slots	1
Modular dimension	40 mm
Length min / max	50 mm / 6070 mm
Mass	1.7 kg/m
Profile surface (A)	6.1 cm ²
Area moment of inertia I_x	9.8 cm ⁴
Area moment of inertia I_y	10.3 cm ⁴
Moment of resistance W_x	4.7 cm ³
Moment of resistance W_y	5.1 cm ³
Torsional moment of inertia (I_t)	6.9 cm ⁴
Moment of torsion resistance (W_t)	3.7 cm ³
Material	Aluminum, anodized
Color	Natural
ESD	Yes
Standard profile finishing	M12 / D9.8 / D17 / DB17
Customized profile finishing	DI / DIS / MT / MTS / MI / MIS / DG
Finishing note	DGmax = 45°, Lmin1 / Lmin2 = 370/440 mm
Packaging unit	1